

Examiner

Signature

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless to rotatins; a valid OMB

Complete if Known Substitute for form 1449A/PTO 10/676.918 **Application Number** INFORMATION DISCLOSURE 09-30-2003 Filing Date STATEMENT BY APPLICANT First Named Inventor NADAV EIRON Art Unit (use as many sheets as necessary) Examiner Name NOT ASSIGNED Attorney Docket Number Sheet 1 οf ARC920030028US1

	U.S. PATENT DOCUMENTS						
	No.1	Document Number Number - Kind Code ² (if known	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
7L.B./	П	US- 6,029,160	02-22-2000	CABRERA ET. AL			
/L.B./		US- 6,023,701	02-08-2000	MALIK ET. AL			
/L.B./		US- 5,708,825	01-13-1998	SOTOMAYOR			
/L.B./		US- 6,112,203	08-29-2000	BHARAT ET. AL	· · · · · · · · · · · · · · · · · · ·		
/L.B./		US- 6,356,899	03-12-2002	CHAKRABARTI ET AL			
/L.B./		US- 6,122,647	09-19-2000	HOROWITZ ET AL			
7L.B.7		US- 6,356,898	03-12-2002	COHEN ET AL			
/L.B./		US- 5,924,090	07-13-1999	KRELLENSTEIN			
		US-					
		US-					
		US-					
		US-					
		US-	-				
		US-					
		US-					
		US-					
		US-					
		US-					
		US-					
		US-					

FOREIGN PATENT DOCUMENTS						
Examiner Initials		Foreign Patent Document Country Code3 -Number4 - Kind Code5 (# Anown)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Peges, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	т,
	_					
						-
	-					_
	-					
						_
						_

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

/Linh Black/ (03/29/2008)

Date

Considered

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Alexandria V.A. 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria VA 22313-1450.

Longitudes to the control of the con English language Translation is attached.



PTOISBORS (10-01)
Approved for use through 103/12002. OME f0551-0312
U.S. Patient and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless its contains a valid OMB. control number.

Substitute fo	or form 1449B/PTO			Complete if Known			
I				Application Number	10/676,918		
INFOR	KIMATION	JIS	CLOSURE	Filing Date	09-30-2003		
ISTATI	EMENT RY	/ Δ	PPLICANT	First Named Inventor	NADAV EIRON		
١٠٠٨	-1111-141 0		LIOAII	Group Art Unit			
	(use as many she	ets a	s necessary)	Examiner Name	NOT ASSIGNED		
Sheet	4	of	4	Attorney Docket Number	ARC920030028US1		

	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc., date, page(s), volume-issue number(s), nublisher city and/or country where nublished	T ²				
/L.B./		[1] HTML 4.01 specification, W3C recommendation, December 1999.					
/L.B./		[2] Lada A. Adamic and Eytan Adar. Friends and neighbors on the web. http://www.hpl.hp.com/shl/people/eytan/fnn.pdf.					
		[3] Tim Berners Lee, James Hendler, and Ora Lassila. The semantic web.					
***************************************	_	Scientific American, May 2001, http://www.sciam.com/2001/0501issue/0501berners-lee:html	-				
/L.B./		[4] Rodrigo A. Botafogo and Ben Shneiderman. Identifying aggregates in hypertext structures. In UK Conference on Hypertext, pages 63-74, 1991.	-				
/L.B./		is Jannevar Bush. As we may think. The Atlantic Monthly, 176(1):101-108, July 1945.	-				
/L.B./		[6].Michael-Chen, Marti AHearst, Jason-Hong, and James-LinCha.cha: A—— system for organizing intranet search results. In USENIX Symposium on Internet Technologies and Systems, 1999.	-				
/L.B./		7] R. C. Daley and P. G. Neumann. A general purpose file system for secondary storage. In AFIPS Conference Proceedings, volume 27, pages 213-229, 1995.					
/L.B./		M. Kessler. Bibliographic coupling between scientific papers. American Documentation. 14, 1963.					
/L.B./		pocumentation, 14, 1965. 9] S. Ravi Kumar, Prabhakar Raghavan, Sridhar Rajagopalan, and Andrew Tomkins. Extracting large scale knowledge bases from the Web. In Proceedings-of-the-25th-VLDB Conference, pages-639-650,—1999.					
/L.B./		[10] Yoshiaki Mizuuchi and Keishi Tajima. Finding context paths for Web pages. In Proceedings of Hypertext 99, pages 13-22, Darmstadt, Germany, 1999.					

Examiner	/Linh Black/ (03/29/2008)	Date	
Signature	7EIIII Biddie (GG/26/2000)	Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. Burden Nov Statement: This form is estimated to take 2.0 hours to complete. The will very development to take 3.0 hours to complete the will very development to take 3.0 hours to complete the service of the statement of the say to a memoral of th Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent am arc Tademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless its contains a valid OMB

Substitute for form 1449B/PTO

Sheet

J

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary)

of

Complete if Known 10/676,918 **Application Number** 09-30-2003 Filing Date First Named Inventor NADAV EIRON Group Art Unit Examiner Name Attorney Docket Number ARC920030028US1

PTO/SB/08B (10-01)

Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) authisher city and/or country where authished	
	_	[11] Theodor Holm Nelson, Embedded markup considered harmful. http://www.xml.com/pub/a/w3/s3.nelson.himl, October 1997.	_
/L.B./		[12] David M. Pennock, Gary W. Flake, Sleve Lawrence, Eric J. Glover, and C. Les Giles. Winners don't take all: Characterizing the competition for finks on the web. Proceedings of the National Academy of Science, 9(9)(5207-5211, April 16 2002.	
/L.B./		[13] Craig Silverstein, Monika Henzinger, Hannes Marais, and Michael Moricz. Analysis of a very large alkavista query log. Technical report, DEC Systems Research Center, 1998, Technical note 1998 14.	
/L.B./		[14] H. A. Simon. On a class of skew distribution functions. Biometrika, 42(3/4):425-440, 1955.	
	_	[15] H. G. Small. Co citation in the scientific literature: A new measure of the relationship between two documents. Journal of American Society-for-Information Science, 24(4):265-269, 1973.	-
/L.E	/	[16] Ellen Spertus. Parasite: Mining structural information on the web. In Proceedings of the Sixth Internation Conference on the World Wide Web, volume 29 of Computer Networks, pages 1205-1215,	
/L.B./		1997. [17] Amanda Spirik, Dietmar Wolfram, B. J. Jansen, and Tefko Saracevic. Searching the web: The public and their queries. Journal of the American Society for Information Science, 53(2):226-234, 2001.	
/L.B./		[18] Keishi Tajima, Kenji Hatano, Takeshi Matsukura, Ryouichi Sano, and Katsumi Tanaka. Discovery and retrieval of logical information units in web. In Proceedings of the Workshop on Organizing Wep Space (WOWS 99), pages 19-23, Berkeley, CA, August 1990.	
/L.B./		[19] Duncan J. Watts and Steven H. Strogatz. Collective dynamics of "small world networks". Nature, 393:440-442, June 4 1998.	
/L.B./		[20] Ron Weiss, Blenvenido Velez, Mark A. Sheldon, Chanathip Namprempre, Peter Szilagyi, Andrzej Duda, and David K. Gilford. Hypursuit: A hierarchical network search engine that expolis content link hypertext clustering. in ACM Conference on Hypertext, pages 180-193, Washington USA, 1996.	
/L.B./		[21] Nadav Eiron, Kevin McCurley. Locality, Hierarchy, and Bidirectionality in the Web, http://www.almaden.ibm.com/cs/people/mccurley/pdfs/graph.pdf	-
/L.B./		[22] Gary Flake, Steve Lawrence, C. Lee Giles. Efficient Identification of Web Communities, Proceedings of the Sixth International Conference on Knowledge Discovery and Data Mining (ACM SIGKDD-2000), p. 150-160, August 20-23, 2000, Boston, MA, USA.	
	1		١

Examiner	/Linh Black/ (03/29/2008)	Date	
Signature		Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademant "Office, Alexandria Would No 2013-14-05. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria VA 22313-1450.



Approved for use through 10/31/20/2 OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless its contains a valid OMB control number.

Sheet

of

control number.						
Substitute for form 1449B/PTO	Complete if Known					
	Application Number	10/676,918				
INFORMATION DISCLOSURE	Filing Date	09-30-2003				
STATEMENT BY APPLICANT	First Named Inventor	NADAV EIRON				
OTATEMENT DI ALL EIGANT	Group Art Unit	2131				
(use as many sheets as necessary)	Examiner Name	NOT ASSIGNED				

Attorney Docket Number | ARC920030028US1

	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, purmal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), buildisher, city and/or pountive where numbered	T ²			
/L.B./		[23] Keishi Tajima, Yoshiaki Mizuuchi, Masatsugu Kitagawa, Katsumi Tanaka. Cut —as-a-Querying Unitfor-WWW, Netnews, and E-Mail, Proc. Of ACM Hypertext '98, June 1998, Pittsburgh, PA, USA.				
7L.B.7		[24] Ravi Kumar, Prabhakar Raghavan, Sridhar Rajagopalan, Andrew Tomkins.— Trawling the web for emerging cyber-communities, Computer Networks, v. 31, n. 11-16, p. 1481-1493, 1999, Amsterdam, Netherlands.	-			
/L.B./		[25] Xiaofeng He, Chris H.Q. Ding, Hongyuan Zha, Horst D. Simon. Automatic Topic Identification Using Webpage Clustering, ICDM 2001, Proceedings IEEE Conference on Data Mining, 2001, p. 195-202.				
/L.B./		[26] Donna Bergmark. Models and tools for generating digital libraries: Collection synthesis, Proceedings of the second ACM/IEEE-CS joint conference on Digital libraries, July 2002, p. 253-262.				
/L.B./		[27] Activity analysis of real world entities by combining dynamic information sources and real world entities, Research Disclosure, n. 433100, May 2000, p. 905-906.				
/L.B./		[28] Virtual URLs for Browsing and Searching Large Information Spaces, Research Disclosure, n. 41392, September 1938, p. 1238-1239.				
/L.B./		[29] Database for Navigational Links for a Text Part in a Compound Document, —IBM.Technical.Disclosure Bulletin, v38, n1, January.1995, p371-372.				
/L.B./		[30] Lada A. Adamic. The Small World Web, Proc. 3rd European Conf. Research and Advanced Technology for Digital Libraries (ECDL), n. 1696, 1999, p. 443-452, Springer-Verlag, S. Abiteboul and AM Vercoustre eds. a third code means for processing-the-compound document,—wherein-the-processing-includes at-least-one-of creating at least one presentation of results from retrieval, summarization, and classification.				

ſ	Examiner	/Linh Black/ (03/29/2008)	Date						
L	Signature	<u> </u>	Considered						
*EXA	*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance								

and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Auszanda'N V 22/31-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO. Assistant Commissioner for Patents, Alexandria VA 22313-1450.